



EASTERN UNIVERSITY SRI LANKA
DEPARTMENT OF MATHEMATICS
THIRD EXAMINATION IN SCIENCE 2008-2009
SECOND SEMESTER (JAN., 2012)
OC 305 - RAPID APPLICATION DEVELOPMENT
(SPECIAL REPEAT)

Answer all Questions

Time: Two Hours

1)

- a) Briefly explain the Data Types in Visual Basic 6.0.
- b) Consider the following lines in Visual Basic 6.0.

```
TStr="Discovery"  
TStr1=Mid(TStr,4,5)
```

What would be the value of TStr1 after executing the above code?

- c) Write the syntax for Choose function in Visual Basic 6.0. What will the value of Z after executing the following code?

```
X=2  
Y=3  
Z=Choose(X*Y, "Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun")
```

- d) Explain the syntax and usage of WHILE statement in Visual Basic 6.0 with the aid of an example.
- e) Write down the result of the following code:

```
Dim arr (1 To 10) As String  
Dim v As Variant  
For i=1 To 10  
    Arr(i) = str(i) & "+" & str(i) & "=" & str(i+i)  
Next i  
For Each v In arr  
    Debug.Print(v)  
Next v
```

- f) Explain briefly, about the functions Left, Mid, UCase, Len, Val and Str giving examples for each.

2) Write the Visual Basic 6.0 statements that performs the following tasks:

- a) To clear the text box named txtName;
- b) To reset the insertion point to a text box named txtName;
- c) To make a label named lblAnswer become invisible;
- d) To assign a numeric value 10 into a variable Intnumber;

- e) To assign the value contained in a textbox named `txtWidth` to a label named `lblWidth`;
- f) Use a `With` Statement to clear the text box named `txtPlace` and to reset the insertion point to that text box;
- g) To declare a variable named `intQty` of type integer;
- h) To declare a variable named `A` to store monetary value;
- i) To declare a string named `UserName`;
- j) To compute the average of variable named `A`, `B` and `C` and stores the value in the variable;
- k) To format the value to three decimal places;
- l) To set the text box named `txtPlace` to the empty string;
- m) To use the `Val` function to convert the string literal "456" to a value and assign it to the integer variable `IntQty`.
- n) if `IntNum` is greater than 19, assign the value of 10 to a variable `IntSum`, otherwise, assign value 5.
- o) To assign the string "Hello" to the text box `txtMessage`, if the value of `intQty` is less than 15 or greater than 44 and string "GoodBye" to the textbox `txtMessage`, if the value of the `intQty` is equal to 30.

3) Compare and contrast the following in Visual basic 6.0;

- a) Load form and show form;
- b) Hide form and unload form;
- c) List box control and Data-bound list box control;
- d) Array and control array;
- e) Combo box and list box;
- f) ActiveX DLL and EXE;
- g) Early binding and Late binding;
- h) Objects and Classes;
- i) ADO and ADO objects;
- j) Create Object and Get object.

4)

- a) What is a connection object?
- b) What are the connection object's methods and properties?
- c) How do you use the connection object to connect to a data store?
- d) How do you use the connection object to execute a command?
- e) Write short notes on the following:
 - i. Data project;
 - ii. ActiveX user control;
 - iii. VB application wizard;
 - iv. Visual data manager;